

Hydro Profile



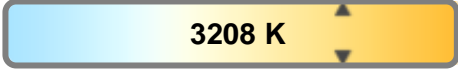
Light Efficiency:



Light Quality:



Color Temperature:



Output: 8113 lm

Peak: 141167 cd

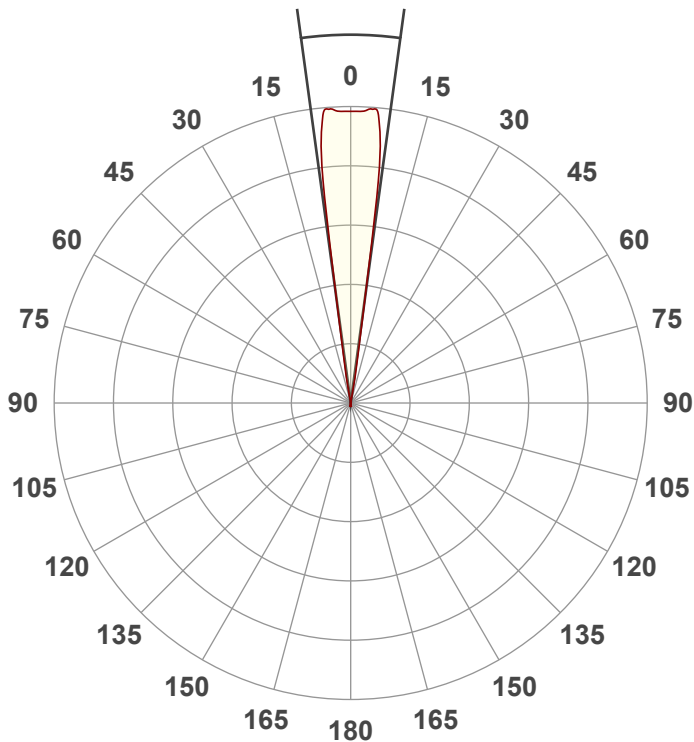
Power: 864.9 W

PF: 1.0



Beam Angle

15.5°



Test:

Zoom 50% 3200K

Date:

7/19/2022

Note:

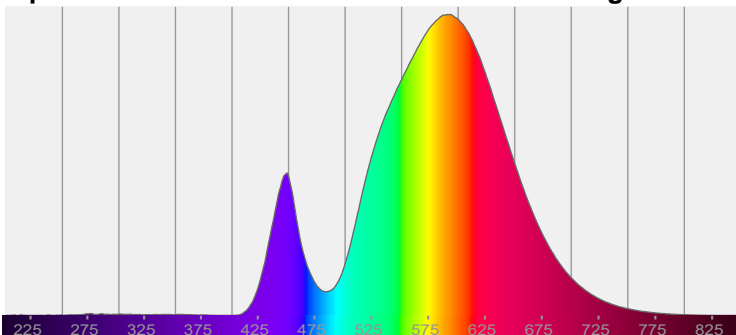
CTO @ 193



CIE 1931
x: 0.433
y: 0.421

Spectra

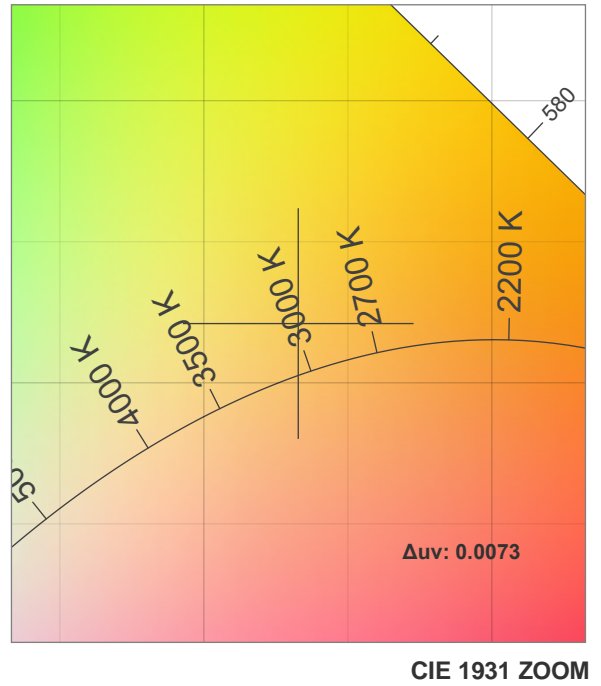
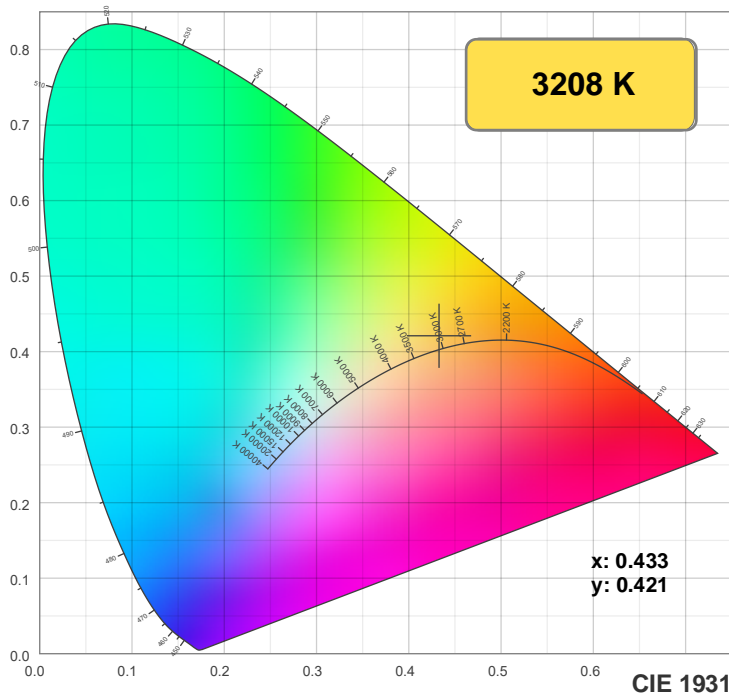
Dominant Wavelength: 580nm



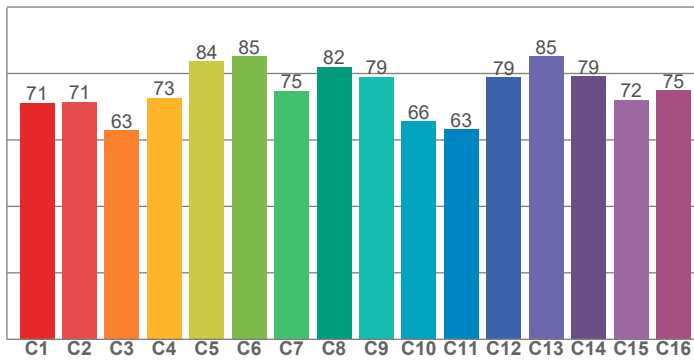
Power

Voltage: 118 V
Current: 7.30 A
Frequency: 0 Hz

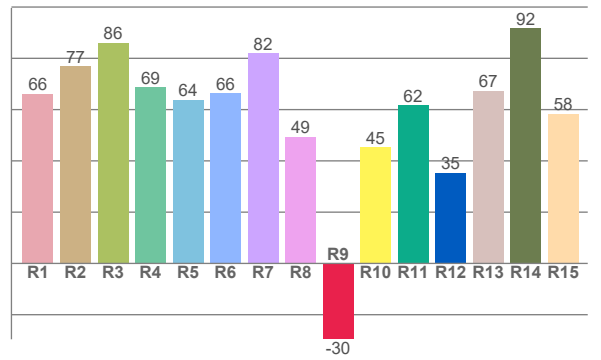
Color Details



TM30: 74.5



CRI: 69.9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
66.2	76.8	86.1	68.8	63.9	66.3	81.9	49.4	-29.6	45.2	61.7	35.4	67.4	91.7	58.4

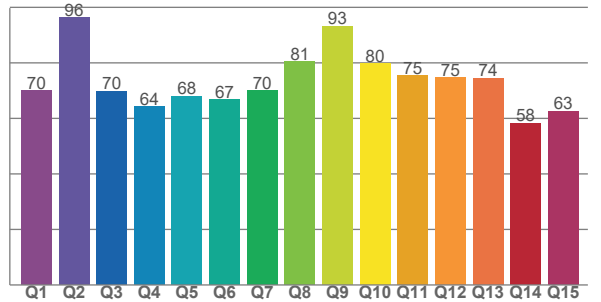
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
71.1	71.5	62.8	72.6	83.7	85.2	74.7	81.9	79.0	65.6	63.2	78.8	85.2	79.1	72.0	74.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
70.1	96.3	69.8	64.3	68.0	66.8	69.9	80.5	93.2	79.7	75.5	74.8	74.5	58.4	62.7

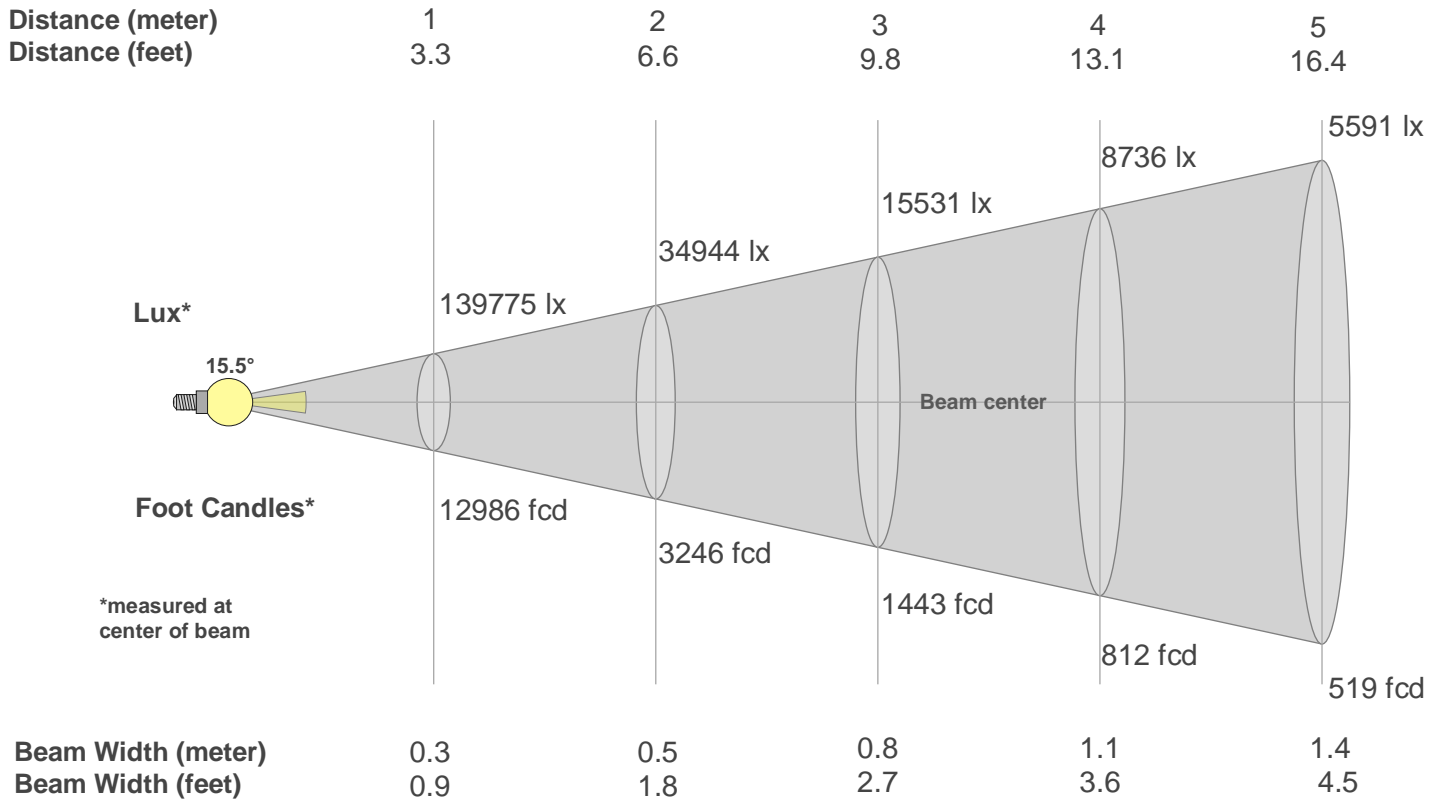
CQS: 71.6



Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3208 K	69.9	-29.6	74.5	93.6	71.6	0.433	0.421	0.241	0.351	0.0073

Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	139775	34944	15531	8736	5591	3883	2853	2184	1726	1398	1155	971	827	713	621	546	484	431	387	349
fcd	12985.6	3246.4	1442.8	811.6	519.4	360.7	265	202.9	160.3	129.9	107.3	90.2	76.8	66.3	57.7	50.7	44.9	40.1	36	32.5

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
140K	140K	140K	140K	141K	139K	129K	109K	57K	17K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	100%	101%	99%	93%	78%	40%	12%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
140K	140K	140K	140K	141K	139K	129K	109K	57K	17K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	100%	101%	99%	93%	78%	40%	12%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
140K	140K	140K	140K	141K	139K	129K	109K	57K	17K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	100%	101%	99%	93%	78%	40%	12%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
140K	140K	140K	140K	141K	139K	129K	109K	57K	17K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	100%	101%	99%	93%	78%	40%	12%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
15.5°	18.4°	19.7°	100.0%	100.0%